

WHAT IS CLAIMED IS :

1. A connector for an optical transmitting and receiving device,
comprising:

5 a housing provided with a chamber and a plug jack, on an outer
surface of a pair of opposite sidewalls of the housing respectively formed a
groove, between one of the sidewalls and the chamber thereof defined two
lugs and a recess, and on wall of the recess provided a through hole;

10 a spring received in the recess in a manner that an end of the spring
protrudes out of the housing and another end of the spring inserts through the
through hole on the wall of the recess;

15 an assembly part including at least a top portion and a pair of first
opposite sidewalls, a window formed at the top portion and an open mouth
formed opposite to the top portion, on the internal surface of a pair of second
opposite sidewalls perpendicular to the top portion provided reducing holes,
the paired first opposite sidewalls provided with protrusions, at least between
one of the paired opposite first sidewalls and the top portion provided
cavities, and thus the assembly part will be firmly fixed to the housing by the
insertion of the lugs of the housing in the respective cavities in the assembly
part; and

20 a cover, provided at a side thereof with a shaft, serving to engage in
a bigger-radius portion of the reducing holes of the assembly part, an end of
the spring employed to push against the bottom of the cover.

2. The connector for an optical transmitting and receiving device as
claimed in claim 1, wherein a positioning notch is provided on a bottom of the

cover for positioning an end of the spring.

3. The connector for an optical transmitting and receiving device as claimed in claim 1, wherein a positioning notch is provided on a bottom of the cover, and is located between two parallel opposite protruding plates.

5 4. The connector for an optical transmitting and receiving device as claimed in claim 1, wherein a groove is provided on a top surface of the cover.

5. The connector for an optical transmitting and receiving device as claimed in claim 4, wherein the cover is provided on its top surface with a groove, in which is defined a big-radius cavity.

10 6. The connector for an optical transmitting and receiving device as claimed in claim 1, wherein the cover is provided on its top surface with a groove, in which is defined a big-radius cavity.

15 7. The connector for an optical transmitting and receiving device as claimed in claim 1, wherein shoulder portions are defined between the paired first opposite sidewalls and the top portion of the assembly part, each of the shoulder portions is defined with cavities for engaging with the plugs of the housing.

20 8. The connector for an optical transmitting and receiving device as claimed in claim 1, wherein the reducing holes on the assembly part are connected to the window.

9. The connector for an optical transmitting and receiving device as claimed in claim 1, wherein a chute is provided at the both sides of the housing for fitting a first and a second ends of the spring respectively, by such arrangements, the spring is firmly positioned.